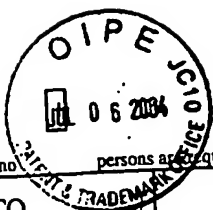


Please type a plus sign (+) inside this box



PTO/SB/08B (10-96)

Approved for use through 10-31-99. OMB 0651-003

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

persons are required to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

COMPLETE IF KNOWN

Application Number	10/689,140
Filing Date	October 17, 2003
First Named Inventor	James E. Becvar
Group Art Unit	1652 1655
Examiner Name	Unknown M. FLOOD
Attorney Docket Number	31695-1001

Sheet 1 of 4

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
mcf		Pedro, et al. "Application of thin-layer and paper chromatography to the separation of toxic metals in biological specimens," 1966.	
		Stachlewska-Wobbwa "Separation and identification of a group of Toxic Substance by thin layer chromatography" 1978	
		Alberts, et al. PNAS 77 (7) pp. 3957-3961	
		Ugarova, et al. (1986), Acta Hydrochim Hydorbiol., 14(3):283-292	
		Stom, et al. (1986), Acta Hydrochim Hydorbiol., 14(3):283-292	
		Vasseur, et al. (1983), Presented at the International	
		Gu. Zonglian (1987), Turangxue Jinzhan, 15(3): 48-51, 1987	
		Gu Z. (1983), Huanjing Kexue, 4(5):30-3. 1983.	
		Bielecki (1985), Acta Agro bot 35(1): 123-132, 1985	
		Aoyama, T. (1985), Health Phys., 48(6):773-80	
		Liebowitz (1984), Anal. Biochem., 137(1): 161-63	
		J.W. Hastings (1978) In: Bioluminescence and Chemiluminescence, Methods in Enzymology, Marlene A. DeLuca, Editor, Academic Press, vol. 57:125-135	

Examiner Signature	4/10/07	Date Considered	9/11/2006
--------------------	---------	-----------------	-----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[G:\FORMS\PAT\1449b.pat.doc]

¹ Unique citation designation number. 2. Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box

PTO/SB/08B (10-96)

Approved for use through 10-31-99. OMB 0651-003
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			COMPLETE IF KNOWN		
			Application Number	10/689,140	
			Filing Date	October 17, 2003	
			First Named Inventor	James E. Becvar	
			Group Art Unit	1652 1655	
			Examiner Name	Unknown M. FLOOD	
Sheet	2	of	4	Attorney Docket Number	31695-1001

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ³	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ¹
mct		Hastings, et al. (1978) In: All Luminescence and Chemiluminescence Methods in Enzymology, Marlene A. DeLuca, Editor, Academic Press, vol. 57:135-152	
		Pannell et al. (1990) Organometallics, 9(9):2454-2462, Merck Index, 11 th ed. (1989), pp. 278-879	
		James E. Becvar, In: Bioluminescence and Chemiluminescence: Basic Chemistry and Analytical Applications, Marlene A. DeLuca and William D. McElroy, eds., Academic Press (1981), pp. 583-589	
		Kenneth Nealson (1978) In: Bioluminescence and Chemiluminescence, Methods in Enzymology, Marlene A. DeLuca, eds. Academic Press, vol. 57. 1978	
		Ugarova et al. (1987), Appl. Biochem. Biotechnol., 15 (1):35-51	
		"1992 Naval National Science Award Winners," Department of the Navy 2 (Jun. 1992)	
		"El Pasoan is top winner at science fair," El Paso Times 1 (May 16, 1992)	
		"Lincoln Junior High School Science Fair," Westside Annual 16 (Mar. 1, 1990)	
		McGill, D., "Caution: Young minds at work: Regional science fair is Saturday," El Paso Times 3B (Apr. 23, 1993)	
		Liebowitz, Anal. Biochem., 137(1):161-163, 1984, Merck Index, 11 th ed., 878-879, 1989	

Examiner Signature	<i>Michelle A. Flood</i>	Date Considered	9/11/2006
--------------------	--------------------------	-----------------	-----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

³ Unique citation designation number. 2. Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

COMPLETE IF KNOWN

Application Number	10/689,140
Filing Date	October 17, 2003
First Named Inventor	James E. Becvar
Group Art Unit	1652 1655
Examiner Name	Unknown M. FLOOD
Attorney Docket Number	31695-1001

Sheet 3 of 4

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document Kind Code ² Number (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
mc		1,707,465	Volck, et al.	4/1929	
		3,963,421	Jone	6/1976	
		4,226,859	Stach	10/1980	
		4,313,906	Filipi, et al.	2/1982	
		4,614,712	Baldwin, et al.	9/1986	
	AA	6,017,722	Becvar, et al.	1/25/2000	
		6,340,572	Becvar, et al.	1/22/2002	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
mc		EP 153366		8/1984		
		WODE 3833628		3/1990		
		WO 88DE626		10/1990		
Examiner Signature	Michele C. Flood			Date Considered	9/11/2006	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1. Unique citation designation number. 2. See attached Kinds of U.S. Patent Documents. 3. Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). 4. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6. Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				COMPLETE IF KNOWN			
				Application Number		10/689,140	
				Filing Date		October 17, 2003	
				First Named Inventor		James E. Becvar	
				Group Art Unit		1652 1655	
				Examiner Name		Unknown M. FLOOD	
Sheet	4	of	4	Attorney Docket Number		31695-1001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
mca		WIPO	8500890			2/1985		
		WIPO	88-308491			4/1988		
		WO	89/08500			3/1989		
Examiner Signature		Nichole C. Flood				Date Considered		9/11/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.